

Converting Colors

$Yxy(73.7308, 0.2792, 0.5035)$

Have a look what the booklet for
Yxy(73.7308, 0.2792, 0.5035)
contains.

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Color

Yxy(73.7302, 0.2792, 0.5035)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 33FF7E |
| RGB | 51, 255, 126 |
| RGB Percent | 20%, 100%, 49% |
| CMY | 0.8007, 0.0000, 0.5058 |
| CMYK | 0.80, 0.00, 0.51, 0.00 |
| HSL | 142°, 100%, 60% |
| HSV | 142°, 80%, 100% |
| XYZ | 40.8848, 73.7302, 31.8204 |
| YIQ | 179.2980, -80.1750, -83.3670 |

Conversions

Conversions Part 2

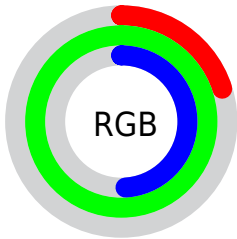
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 51, 200, 255 |
| Decimal | 3407742 |
| CIELab | 88.79, -74.26, 47.96 |
| CIELCh | 89, 88.404, 147.147 |
| Yxy | 73.7302, 0.2792, 0.5035 |
| Android (android.graphics.Color) | 4281597822 (0xFF33FF7E) |
| YUV | 179.2980, -26.2759, -112.5173 |
| Hunter-Lab | 85.8663, -65.2742, 38.1347 |

Details

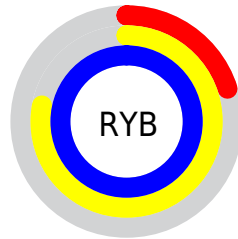
The Yxy color **73.7302, 0.2792, 0.5035** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **26.8980, 0.4112, 0.2185**, and the grayscale version is **45.3905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6020, 0.2818, 0.4208**, and **40.4135, 0.2839, 0.5420** is the 20% darker color. If you saturate the color by 10%, you get **72.8545, 0.2813, 0.5258**, and if you desaturate by 10%, it is **75.0261, 0.2790, 0.4794**.

Distribution



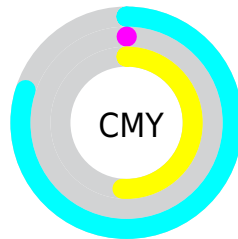
- Red (20%)
- Green (100%)
- Blue (49%)



- Red (20%)
- Yellow (78%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7302, 0.2792, 0.5035 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 73.7302, 0.2792, 0.5035 by changing the saturation by 10% instead.

 73.7302, 0.2792,
0.5035


 73.7302, 0.2792,
0.5035

473.5417, 0.2992,
0.4157

 54.5732, 0.2734,
0.5250


 124.5133, 0.2871,
0.4718

 39.0602, 0.2655,
0.5521


 156.9082, 0.2899,
0.4598

 26.8065, 0.2544,
0.5872


 194.4845, 0.2922,
0.4496

 17.4280, 0.2382,
0.6336

 237.6267, 0.2941,
0.4409

 10.5401, 0.2132,
0.6963

286.7191, 0.2957,
0.4333

 5.7585, 0.1783,
0.8052


342.1462, 0.2971,


 2.6988, 0.0575,

0.4267


0.9425


404.2922, 0.2982,
0.4209


 0.9766, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.7302, 0.2792,
0.5035


 73.7302, 0.2792,
0.5035


 72.8545, 0.2813,
0.5258


 75.0261, 0.2790,
0.4794

 72.3268, 0.2848,
0.5453


 76.8104, 0.2805,
0.4545

 79.1253, 0.2837,
0.4298

 82.0113, 0.2882,
0.4061

 85.5052, 0.2937,
0.3839

 89.6403, 0.2997,
0.3636

 94.4478, 0.3061,
0.3454

99.9564, 0.3127,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7302, 0.3751, 0.5225



73.7302, 0.2792, 0.5035



73.7302, 0.1975, 0.3990

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7302, 0.2792, 0.5035



73.7302, 0.1673, 0.1813



73.7302, 0.5046, 0.3280

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.7302, 0.2792, 0.5035



26.8980, 0.4112, 0.2185

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7302, 0.4280, 0.2636



73.7302, 0.2792, 0.5035



73.7302, 0.2255, 0.1835

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7302, 0.2792, 0.5035



73.7302, 0.1433, 0.2111



73.7302, 0.3188, 0.2125



73.7302, 0.5128, 0.3986

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7302, 0.2792, 0.5035



73.7302, 0.1625, 0.3183



73.7302, 0.3188, 0.2125



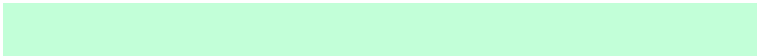
73.7302, 0.4858, 0.3056

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.7258, 0.2792, 0.5035



87.9384, 0.2973, 0.3714



81.4763, 0.3617, 0.5339



18.5107, 0.2951, 0.3786



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7258, 0.2792, 0.5035



72.5130, 0.2833, 0.5377



77.8078, 0.2382, 0.3628



20.2788, 0.3065, 0.3444



37.8185, 0.2840, 0.5422



3.7025, 0.2776, 0.5194

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



26.8980, 0.4112, 0.2185



24.1920, 0.4376, 0.2200



24.1617, 0.5649, 0.3117



18.1802, 0.3195, 0.3141



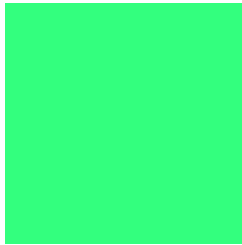
12.4846, 0.4415, 0.2206



1.2367, 0.4241, 0.2110

Previews

White Background



This preview shows how the Yxy color 73.7302, 0.2792, 0.5035 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 73.7302, 0.2792, 0.5035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.7302, 0.2792, 0.5035

Background



This preview shows how black text looks on a background with the Yxy color 73.7302, 0.2792, 0.5035.

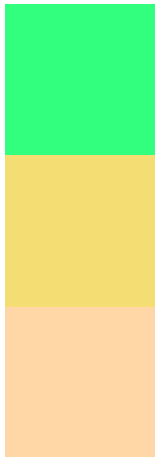


This preview shows how white text looks on a background with the Yxy color 73.7302, 0.2792, 0.5035.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.7302, 0.2792, 0.5035

Protanopia

72.1609, 0.4019, 0.4381

Deuteranopia

72.1063, 0.3789, 0.3786



Tritanopia

73.1149, 0.2444, 0.3090

Trichromacy



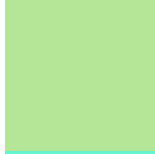
Original Color

73.7302, 0.2792, 0.5035



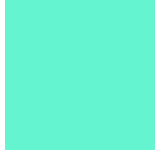
Protanomaly

68.5845, 0.3411, 0.4691



Deuteranomaly

68.0967, 0.3283, 0.4245



Tritanomaly

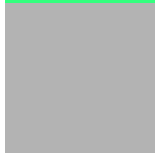
72.0221, 0.2556, 0.3749

Monochromacy



Original Color

73.7302, 0.2792, 0.5035



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

52.0692, 0.2902, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7302, 0.2792, 0.5035 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 255, 126)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 126)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 255, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 126) }
```

Border

The CSS property to change the border of an element to Yxy 73.7302, 0.2792, 0.5035 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 126) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 255, 126) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 255, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 126);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7302, 0.2792, 0.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 126) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 255,  
126) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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